

## **Recent Publications from the IAEA (Andrej Trkov)**

### Journal Publications

17. JAČIMOVIĆ, Radojko, TRKOV, Andrej. Numerical stability in the  $k_0$ -standardization method for the case of short irradiation and counting times. J. radioanal. nucl. chem., 2000, vol. 245, str. 649-652. [COBISS.SI-ID 15363879]

18. SOOD, D.D., TRKOV, Andrej. Some recent activities of the International Atomic Energy Agency in the field of nuclear data. J. radioanal. nucl. chem., 2003, vol. 255, str. 13-19. [COBISS.SI-ID 17339431]

19. SMODIŠ, Borut, TRKOV, Andrej, JAČIMOVIĆ, Radojko. Effects of the neutron spectrum on the neutron activation analysis constants for  $^{94}\text{Zr}$  and  $^{96}\text{Zr}$ . J. radioanal. nucl. chem., 2003, vol. 257, str. 481-487. [COBISS.SI-ID 17693223]

20. JAČIMOVIĆ, Radojko, MAUČEC, Marko, TRKOV, Andrej. Verification of Monte Carlo calculations in the neutron flux in typical irradiation channels of the TRIGA reactor, Ljubljana. J. radioanal. nucl. chem., 2003, vol. 257, str. 513-517. [COBISS.SI-ID 17691943]

### Published Scientific Conference Contributions

61. KROMAR, Marjan, TRKOV, Andrej. Simulation of the power feedback effects with the reactivity coefficient method. V: PHYSOR 2000. Pittsburgh: American Nuclear Society, 2000. [COBISS.SI-ID 15071271]

62. TRKOV, Andrej. From basic nuclear data to applications. V: Workshop on Nuclear Reaction Data and Nuclear Reactions: Physics, Design and Safety, 13 March - 14 April, 2000, Trieste. ICTP lecture notes. Vol. 1, Vol. 2. Trieste: International Centre for Theoretical Physics, 2001, str. 321-346. [COBISS.SI-ID 16767527]

63. TRKOV, Andrej. Processing of nuclear data for applications - WIMS library example. V: Workshop on Nuclear Reaction Data and Nuclear Reactions: Physics, Design and Safety, 13 March - 14 April, 2000, Trieste ICTP lecture notes. Vol. 1, Vol. 2. Trieste: International Centre for Theoretical Physics, 2001, str. 449-460. [COBISS.SI-ID 16767783]

64. TRKOV, Andrej, KURINČIČ, Bojan. On the use of LOADF code for optimisation of the Krško power plant operation. V: JENČIČ, Igor (ur.), GLUMAC, Bogdan (ur.). International Conference Nuclear Energy in Central Europe 2001, Portorož, Slovenia, September 10-13, 2001. Proceedings. Ljubljana: Nuclear Society of Slovenia, 2001, str. 104. [COBISS.SI-ID 16426535]

65. HERMAN, A., OBLOŽINSKÝ, P., TRKOV, Andrej, ZERKIN, V. Recent development and validation of the nuclear reaction code EMPIRE. V: ND 2001, International Conference on Nuclear Data and Technology, Tsukuba, October 7-12, 2001. Proceedings: Embracing the future at the beginning of the 21st century, (Journal of Nuclear Science and Technology, Supplement 2). Tsukuba: Japan Atomic Energy Research Institute, 2002, suppl. 2, str. 116-119. [COBISS.SI-ID 16360743]

66. CHOI, H.D., FIRESTONE, R.B., LINDSTROM, R.M., MOLNÁR, G.L., REDDY, A.V.R., TAN, V.H., ZHOU, C.M., PAVIOTTI-CORCUERA, R., TRKOV, A. Development of a database for prompt gamma-ray neutron activation analysis. V: ND 2001, International Conference on Nuclear Data and Technology, Tsukuba, October 7-12, 2001. Proceedings : Embracing the future at the beginning of the 21st century, (Journal of Nuclear Science and

Technology, Supplement 2). Tsukuba: Japan Atomic Energy Research Institute, 2002, suppl. 2, str. 1372-1375. [COBISS.SI-ID 17339943]

67. TRKOV, A., MUIR, D.W. IAEA coordinated research projects in nuclear data. V: ND 2001, International Conference on Nuclear Data and Technology, Tsukuba, October 7-12, 2001. Proceedings : Embracing the future at the beginning of the 21st century, (Journal of Nuclear Science and Technology, Supplement 2). Tsukuba: Japan Atomic Energy Research Institute, 2002, suppl. 2, str. 1454-1457. [COBISS.SI-ID 17339687]

68. TRKOV, Andrej. WPEC report to the CSEWG formats and processing committee. V: Summary of the 51st Cross Section Evaluation Working Group Meeting, November 6-7, 2001, Brookhaven National Laboratory, Upton, New York, 2001. [COBISS.SI-ID 17342503]

69. TRKOV, Andrej. IAEA activities related to nuclear data for P&T and ADS. V: International Workshop on P&T and ADS development "InWor for P&T and ADS"2003", Mol, October 6-8, 2003. Proceedings : InWor for P&T and ADS'2003. Mol: IAEA, 2003. [COBISS.SI-ID 18083367]

70. ŽAGAR, Tomaž, RAVNIK, Matjaž, TRKOV, Andrej. Isothermal temperature reactivity coefficient measurement in TRIGA reactor. V: JENČIČ, Igor (ur.), TKAVC, Marjan (ur.). International Conference Nuclear Energy for New Europe 2002, Kranjska Gora, Slovenia, September 9-12, 2002. Proceedings. Ljubljana: Nuclear Society of Slovenia, 2003. [COBISS.SI-ID 17470247]

71. KODELI, Ivan Aleksander, TRKOV, Andrej, MAUČEC, Marko, ALDAMA, Daniel. Progress in nuclear well logging modelling using deterministic transport codes. V: JENČIČ, Igor (ur.), TKAVC, Marjan (ur.). International Conference Nuclear Energy for New Europe 2002, Kranjska Gora, Slovenia, September 9-12, 2002. Proceedings. Ljubljana: Nuclear Society of Slovenia, 2003. [COBISS.SI-ID 17741095]

72. JAČIMOVIĆ, Radojko, MAUČEC, Marko, TRKOV, Andrej. Verification of Monte Carlo calculations of the neutron flux in the carousel channels of the TRIGA Mark II reactor, Ljubljana. V: JENČIČ, Igor (ur.), TKAVC, Marjan (ur.). International Conference Nuclear Energy for New Europe 2002, Kranjska Gora, Slovenia, September 9-12, 2002. Proceedings. Ljubljana: Nuclear Society of Slovenia, 2003. [COBISS.SI-ID 17470759]

73. JAČIMOVIĆ, Radojko, TRKOV, Andrej, STEGNAR, Peter. Temporal variation of the neutron flux in the carousel facility of s TRIGA reactor. V: RAVNIK, Matjaž (ur.), ŽAGAR, Tomaž (ur.). International Conference Nuclear Energy for New Europe 2003, September 8-11, 2003, Portorož, Slovenija. Proceedings. Ljubljana: Nuclear Society of Slovenia, 2003. [COBISS.SI-ID 18023975]

74. TRKOV, Andrej, MATTES, M. On the thermal scattering law data for reactor lattice calculations. V: JENČIČ, Igor (ur.), TKAVC, Marjan (ur.). Proceedings. Ljubljana: Nuclear Society of Slovenia, 2004. [COBISS.SI-ID 18790183]

#### Published Scientific Conference Contributions Abstracts

81. SMODIŠ, Borut, TRKOV, Andrej, JAČIMOVIĆ, Radojko. Neutron spectrum effects on the nuclear constants of <sup>94</sup>Zr and <sup>96</sup>Zr. V: 3rd International k<sub>0</sub>-users Workshop, Bruges, September 23-28, 2001. Book of Abstracts. Bruges: Belgian Nuclear Research Centre, 2001, str. 13. [COBISS.SI-ID 16211751]

82. JAČIMOVIĆ, Radojko, MAUČEC, Marko, TRKOV, Andrej. Verification of Monte Carlo calculations of the neutron flux in typical irradiation channels of the TRIGA reactor, Ljubljana. V: 3rd International  $k_0$ -users Workshop, Bruges, September 23-28, 2001. Book of Abstracts. Bruges: Belgian Nuclear Research Centre, 2001, str. 23. [COBISS.SI-ID 16212263]

83. JAČIMOVIĆ, Radojko, TRKOV, Andrej, STEGNAR, Peter. Verification of a corrected procedure in the  $k_0$ - method of neutron activation analysis using natural matrix reference materials. V: 13th International Symposium Spectroscopy in Theory and Practice, Nova Gorica, Slovenia, 27-30 August, 2003. Book of abstracts. Nova Gorica: Politehnika, 2003, str. 45. [COBISS.SI-ID 17713703]

#### Study Reports

136. TRKOV, Andrej, KROMAR, Marjan, ŽAGAR, Tomaž. Report on the zero power physics tests for cycle 17 of the Krško NPP, (IJS delovno poročilo, 8255). Ljubljana, Slovenia: Institut "Jožef Stefan", 2000. 23 str. [COBISS.SI-ID 15548967]

137. KROMAR, Marjan, RAVNIK, Matjaž, TRKOV, Andrej, SLAVIČ, Slavko, ŽEFRAN, Bojan. The nuclear design and core management of the Krško NPP Cycle 17, (IJS delovno poročilo, 8252). Ljubljana, Slovenia: Institut "Jožef Stefan", 2000. [COBISS.SI-ID 15843623]

138. KROMAR, Marjan, RAVNIK, Matjaž, TRKOV, Andrej, SLAVIČ, Slavko, ŽEFRAN, Bojan. The nuclear design and core management of the Krško NPP cycle 18, (IJS delovno poročilo, 8415). 2001. [COBISS.SI-ID 16526631]

139. KROMAR, Marjan, RAVNIK, Matjaž, TRKOV, Andrej, SLAVIČ, Slavko, ŽEFRAN, Bojan. The nuclear design and core management of the Krško NPP : Cycle 19, (IJS delovno poročilo, 8600). Ljubljana, Slovenia: Institut "Jožef Stefan", 2002. [COBISS.SI-ID 17296423]